Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/10/2021 09:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124006	-1	1.32	123900	1.31
Blue	F	SSC	125000	122930	-2	2.76	123133	2.59
Blue	E	FITC	13131	12781	-3	2.42	294	15.76
Blue	D	PE	24112	23854	-2	1.91	547	10.78
Blue	B	PerCP-Cy5-5	31295	30434	-3	3.14	1010	14.39
Blue	A	PE-Cy7	19939	19725	-2	5.25	525	28.45
Red	C	APC	42122	41801	-1	2.83	1748	11.31
Red	A	APC-Cy7	22340	21732	-3	3.08	811	11.85
Violet	B	V450	7410	7040	-5	3.53	431	12.84
Violet	A	V500	28118	26664	-6	3.03	666	9.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22846	1.40	562	-7	N/A	N/A	Pass
Blue	F	SSC	57282	1.15	515	3	N/A	N/A	Pass
Blue	E	FITC	54	58.52	484	-3	0.0449	285	Pass
Blue	D	PE	115	38.44	487	-1	0.4760	423	Pass
Blue	B	PerCP-Cy5-5	187	35.94	581	-5	0.0205	88	Pass
Blue	A	PE-Cy7	106	67.21	625	-3	0.0234	6	Pass
Red	C	APC	403	24.26	581	5	0.0287	234	Pass
Red	A	APC-Cy7	182	27.86	554	3	0.0060	948	Pass
Violet	B	V450	61	65.89	451	-2	0.0602	2600	Pass
Violet	A	V500	97	36.20	462	-3	0.0276	1286	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.93	-31.45	1.13
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	14.22	13.60 - 20.40	N/A	N/A	29.68	30.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11481

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments